

1. Record Nr.	UNINA9910825178403321
Autore	Malanson Jeffrey J. <1980->
Titolo	Addressing America : George Washington's farewell and the making of national culture, politics, and diplomacy, 1796- 1852 // Jeffrey J. Malanson
Pubbl/distr/stampa	Kent, Ohio : , : The Kent State University Press, , 2015 ©2015
ISBN	1-63101-160-X 1-63101-161-8
Descrizione fisica	1 online resource (264 pages)
Collana	New studies in U.S. foreign relations
Disciplina	973.4/1092
Soggetti	National characteristics, American United States Foreign relations 1783-1865
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Constructing the Farewell Address -- Washington's Farewell in the American mind, 1796-1817 -- John Quincy Adams and the legacy of the Farewell Address -- America's fundamental principles of foreign policy and the Panama Congress of 1826 -- The revaluing of American principles, 1826-1850 -- "Washington or Kossuth?": The Farewell address in the American mind at midcentury -- Conclusion.
Sommario/riassunto	In his presidential Farewell Address of 1796, George Washington presented a series of maxims to guide the construction of a wise foreign policy. He believed, as did generations of his adherents, that if the United States stayed true to the principles he discussed, the country would eventually attain national greatness and international respectability. These principles quickly became engrained in the DNA of what it meant to be an American in the first half of the nineteenth century, shaping the formation of U.S. foreign policy, politics, and political culture. The Declaration of Independence affirmed American ideals, the Constitution established American government, and the Farewell Address enabled Americans to understand their country and its place in the world. While the Declaration and Constitution have persisted as foundational documents, our appreciation for the Farewell

Address has faded with time. By focusing on the enduring influence of the Farewell Address on nineteenth-century Americans, and on their abiding devotion to Washington, author Jeffrey Malanson brings the Address back into the spotlight for twenty-first-century readers. When citizens gathered in town halls, city commons, and local churches to commemorate Washington, engagement with the Farewell Address was a cornerstone of their celebrations. This annual rededication to Washington's principles made the Farewell Address both a framework for the attainment of national happiness and prosperity and a blueprint for national security, and it resulted in its position as the central text through which citizens of the early republic came to understand the connections between the nation's domestic and foreign ambitions. Through its focus on the diplomatic, political, and cultural impacts of Washington's Farewell Address, *Addressing America* reasserts the fundamental importance of this critical document to the development of the United States in the first half of the nineteenth century.

2. Record Nr.	UNINA9910254148703321
Titolo	Protective Coatings : Film Formation and Properties / / edited by Mei Wen, Karel Dušek
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-51627-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VIII, 510 p. 271 illus., 136 illus. in color.)
Disciplina	621.89 620.11223
Soggetti	Tribology Corrosion and anti-corrosives Coatings Materials science Materials—Surfaces Thin films Tribology, Corrosion and Coatings Characterization and Evaluation of Materials Surfaces and Interfaces, Thin Films
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>Role of Distributions in Binders and Curatives and their Effect on Network Evolution and Structure -- Heterogeneity in Crosslinked Polymer Networks: Molecular Dynamics Simulations -- Rigidity Percolation Modeling of Modulus Development During Free-Radical Cross-linking Polymerization -- Rheology Measurement for Automotive Coatings -- Magnetic Microrheology for Characterization of Viscosity in Coatings -- CryoSEM: Revealing Microstructure Development in Drying Coatings -- Film Formation through Designed Diffusion Technology -- In-Situ FTIR Study of Cure Kinetics of Coatings with Controlled Humidity -- Shrinkage in UV Curable Coatings -- Measurements of Stress Development in Latex Coatings -- Stress Development in Reactive Coatings -- Swelling of Coating Films -- Chemical Depth Profiling of a Multilayered Coating System Using Slab Microtomy and FTIR-ATR Analysis -- Characterization of Component Distributions in Acrylic Latex and Paint Films Containing an Alkali-Soluble Resin (ASR). <advances in="" nanoscratch="" testing="" of="" automotive="" clearcoats -- scratch="" and="" mar="" resistance="" coatings -- appearance="" coatings -- craters="" other="" coatings="" defects="" mechanisms="" analysis -- degradation="" polymer="" service="" how="" properties="" deteriorate="" due="" to="" stochastic="" damage -- long-term="" mechanical="" durability="" coatings -- automotive="" paint="" application.</p>
Sommario/riassunto	<p>This book focuses on characterization of organic coatings by different testing methods and understanding of structure formation and materials properties. The knowledge of protective organic coatings and current test methods is based largely on empirical experience. This book aims at explaining the coating property changes during film drying and curing in terms of chemical and physical transformations. Current test methods are reviewed with emphasis on understanding their physical basis and expressing the test results in terms of comparable physical quantities. In general, this book provides readers a deeper understanding of the binder design, coating film formation process, properties build-up, appearance and defect formation, and automotive paint application. It also suggests manifold ways to improving the coatings performance. < This book is designed for coating professionals to gain deeper understanding of characterization techniques and to select the right ones to solve their coating problems. It is ideal for both experienced and early career scientists and engineers. Also, it is useful for graduate students in the general area of protective coatings. • Features a comprehensive list of techniques, characterizing coating films formation, their final properties and aging, as well as an in-depth discussion of each technique; • Maximizes understanding of testing methods and their physical background and provides correlations of characterization results with coatings structure or properties using detailed examples; • Describes special characterization techniques such as magnetic microrheology, in-situ infrared spectroscopy under controlled humidity, long-term in-situ stress measurement of coatings with capacitive sensors, and advanced nano-scratch testing; • Deepens understanding of spray of liquid coatings, drying, curing, network development and structural heterogeneity, modulus development, stress development, swelling of networks, scratch and mar resistance, coating appearance, defect</p>

formation, and durability; • Introduces modeling of cross-linking during film formation and build-up of film properties with the aim to predict the effects of changes of binder systems and film formation conditions.
